

# SYSTEM AND METHOD FOR COLOR ENHANCING IMAGES

## Abstract

A system and method for color-correcting color images or movies or colorizing black and white images or movies is described. Images or movies are enhanced through application of multiple base color functions and multiple additive or subtractive alpha function weighted color functions that are injected into a selected region of an image using a pattern function. Images enhanced with embodiments of the invention are not limited to one-to-one mappings from input image luminance to output image color. All aforementioned functions may utilize underlying luminance, position or other parameters in enhancing colors.